This is the day of rost; bur falling arrength retawl weary brain and troubled bremst lend Thou thy freshealing daw.

The peace our spirits fill; Bid then the blasts of directs cease, The waves of strike is Built

This is the day of prayer; Let earth to housen draw near; Lift my our learts to seek thee there; Come down to agent us here.

This is the first of days; Send forth thy quintoning breath, And wake dead souls to lave and States, O variguisher of death? John Ellerton:

## A Dangerous Courtship.

TRANSLATED BY ALEX SCHAAP. (Copyright, 180); Dally Story Pub. Co.) Since Aslaug, Knut Hussby's pretty daughter, had grown into a young and peace in the viliage of Husaby. Day and night the hardy lads of the neighborhood engaged in wordy and fistic quarrels on her account. The climax was reached in the inn on Saturday blacd too much.

Knut Humby would not think in day night without keeping his big leather boots on. He was also sure to have a heavy oak came next to his bed for emergency, as he called it. "Since God has bestowed a pretty daughter the Alm from the water side.

On me, it will be my duty to keep her After the day's work Aslans from harm," he would say.

Thore Namest was the son of the butcher, a strapping young fellow, full of grit and daring. Gossipers said that Thore visited Aslaug more frequently than did any of the other young men of the village. This rumor gold not please Knut. In fact, he denied it, saying that he had never seen . There and Aslaug together. But the people laughed and winked at this. They insisted that Thore was a sly lover and that Aslaug knew how to hoodwink her father.

The spring came, and Aslaug drove the cattle to the top of the Alm mountain. As the sun slowly descended in the horizon and far above the steep, cool rocks of the mountain, the ballowing of the cowe, the barking of the don, and the yodel of Asinug resounded over the valley, the lads, who were working in the meadows, felt as if they would like to cust away their scythes and pitch forks and rush up the steep paths to court the fair

When Saturday night came there was a race between them to reach the mountain top, but they desireded much more rapidly, for behind the door of the cattle shed a stalwart fign them that if they wanted a more severe dramming at another time to call again.

The wooers knew that there was only one man in all Husaby who could boast of the possession of such a strong fist as that possessed by Thore Nacuset. Some of the rich peasants'



"What do you want of me?"

sons of the neighborhood thought that it was a shame that this common butcher was permitted to lord it thus all wooers away from the beautiful As-

enold do it in short order.

bern yard, and prove a formidable antaigon let.

Alm, and it wended its way across this time," she cried. Knut's farm. On the following Satur- Then Aslang slung her arms around day night when Thore wanted to as- the dog as if it was Thore whom she cenif the mountain and was possing by | was trying to save from destruction.

"What do you want of me" asked There, He awang himself around would not be quieted and when she Into the thicket.

we want of you," said another, who held her in his arms. dealt him a severe hiow on his broast. This was Aslang's brother.

"Here comes the third one," rejoined Old Rust, who had meanwhite managed to extricate himself from the celved another telling blow.

wax doubled. His prowner came him of her—she shall be boa." to stead, for two 'mecular girnts had attacked. In the out, bowever, deagity his agility and power. Thore gut man have his holly,

a hard beating and when blood began to flow freely Knut called a halt and anded:

"Now, There, if you can best my brother, Wolf Husaby, and his son next Saturday night, then my lass will Die VORTER!

Thore was so badly injured that he had to remain in bed over Sunday. On Monday also he was so worn out from the fight that he was not able to go to work in his father's shop. Tuesday came. It was a balmy day, The sun-shine brightened his room. He heard the bells of the grazing cattle and his beloved warbled her pretty Norse songs and yodels till he thought his heart would break.

Wednesday came and he still languished on his couch. He did not hecome convaisment until Saturday the bow; for the principle of the new morning, and then he was not well type of ice-breaker is to draw out the enough to meet Knut's challenge to battle with his hig brother and nephew. He looked longingly toward charming woman, there was little the narrow path which led to the side of Aslang. His sweetheart's yodel again trilled through the silent valley. He knew that if he would attempt to that have been published, the "Barkat" make his way to her that evening he has extensive upper works, and these would receive another drubbing that night, when some of the boys had im- would send him to bed for some time Upon her deck she will carry three to come.

"I must climb the Alm some other those days of going to sleep on Satur- way," reasoned Thore. Toward dawn he unmoored his boat and rowed along the shore of the almost perpendicular rock, hoping against hope to find some feethold and some way of ascending

the summit of the mountain. She did not anticipate that Thore would be



Aslaug sat on the summit of the mountain/

able to come to her that night, but she knew that others would come in his stoad. She unchained her fathful caller a pugilistic reception, and told shepherd dog and began to knit. She was sitting with her face turned toward the home of Thorne, but the mist even distinguish the tree tops. She moved over to the other side, and ordinary talent there is no royal road there she sat dreaming for a long time to literary mastership. with her eyes riveted on the vast sea. The view filled her soul with unspeakable peace.

Suddenly she felt a desire to give vent to her feelings in foud melody. She sang the songs of childhood, the ditties of the village, the Norse national song, and her music sounded weird style is the labor of years. The old the silent night. Then she though that some one was answering her.

What in the world can this be?" she asked herself. "It cannot be the echo, for I am facing the sea."

She advanced to the edge of the rock and swinging her arms around a siender tree she searched the wall of the steep mountain. But it was quiet and peaceful on the fjord; not a bird flow over it.

Aslaug returned to her grassy couch and again begun to sing. This time she could not be mistaken, for it was indeed a human voice that responded to her yodel.

Again she rushed to the tree and took a long look down the Alm. At last she heheld a boat moored to a small branch that jotted out from the rock. Only some fifty fest below her, she saw a red cap, with a man under it making its way up the alippery aide when not even a mountain goat would dare to trusd.

She harried back to her place, and dared not utter a note or word for fear on top of the mountain and to keep that the intrepid wooer would be hurled down into the turbulent waters of the fjord. She knew very well who Old Knut was of the same opinion it was, though she did not see his when he was told of the bold doings of face. She threw herself on the ground Thore and be boasted everywhere that and held the long, heavy blades of to express an idea is unfit for the busiif there was no one in Husaby who grass with both hands, as if it were best of literature. New York Times, could conquer Aslaug's favorite, he her task not to lose her grip on what and his son would show that they was once seized. But the grass roots began to loosen and in her despuir she Knut, it is true, was beginning to cried to God to aid Thore with His at the Paris fair is to be seen in the are visibly. He was 60 years old, but Omnipotence. Then again she began Ewiss watch factory exhibit and condespite this he would now and then to think that such an act of Thore and engage in a bout with his son is the such a prayer on her part were a gross temptation of God. Nevertheless she continued her supplications. "Only Only one path led to the top of the this time, dear Father in heaven, only

she side of the barn, he suddenly felt | How long the time seemed! At last

to bark instily.
"Heah," she warned, but the dog derirously and threw his assailant had reached the animal to stop his noise the red cap peoped over the edge. You will know soon enough what of the rock and the next minute Thore

They kimed and embraced each other again and again, and Thore could not utter a word, and what he finally said contained not un then of rationality. Old Knut Husshy, hear ver, when he bushes, and with them words Thur re- heard of Thure's Caring feet, said marked the fish monger, as he wrapped in the face of danger Ther's atrength of common sense. "The lad is worth;" the first face and laid her purchase

REMARKABLE STEAMSHIP. The Powerful Ice Brenker "Balkal" Car-

Plus Three Trains. The great English firm of Sir William Armstrong, Whitworth & Co., has built upon Lake Balkal one of the most remarkable atsamships in the world to fevry the Siberian trains across the lake, and is winter to break the ice at the same time. This was brought out in pieces from Newcastleon-Tyne, and put together by English engineers, who have been living in this remote and lonely aput for over two. yours. The "Balkal," as the steamer is called, is a magnificent vessel of 4,000 tons, with twin engines amidships of 1,550 horse-power each, and a cimilar engine forward, in drive the screw in the bow; for the principle of the new water from under the ice shead by the miction of a how screw, when the ice collapses by its own weight and a passage is forced through the broken mass by the impact of the vensel. As will be seen from my Illustrations, the first contain luxurious saloons and cabins, trains-a passenger train in the middle and a freight train on each side. Her speed is thirteen knots, and on her trial trips she has shown herself capable of breaking through solld ice thirty-eight inches thick, with five inches of hard snow on the top-with snow is much more difficult to pierce After the day's work Aslaug sat on than ice-and has forced her way through two ticknesss of ice frozen together, aggregating from fifty-six to sixty-five tuches. In summer her bow propeller should be removed, and large propellers substituted for her amaller winter ones; but so far the rallway authorities have taken no steps to build a dock upon the lake, without which neither of these important changes can be effected, nor the steamer bernelf repaired if any mishap should damage her hull. Lake Baika! is frozen from the middle of December to the end of April and there is also talk of laying a ratiway across. upon the ice, as is done each year from St. Petersburg to Kronstadt; but probably all depends upon the success of the ice breaker next winter. From Russia of Today," by Henry Norman.

### WRITING A TRADE.

Reflections for the Benefit of Would-lie

Anthors All the men and women that have risen to distinction in the field of letters have served apprenticeship in the technics of the art before they reached the ear of the public. The poets alone seem to have a gift of speech at the outset and even they learn much in the course of years and practice. But the young aspirant should not model his line of procedure on that followed began to rise so that she could not by the asknowledged geniuses. Only genius can hope to imitate genius. For The art of writing must be studied diligently, painfully, humbly. The use and abuse of words and phrases must be considered, not for a day, but for many years. The formation of sentences must be the thought of one's waking hours. The manufacture of a maying that "style is the man" is perfeetly true, but it has deluded many a youngeter into the belief that all he had to do was to express himself according to the impulse of the moment, just as he would in taiking, and that thus he would be a writer. "Style is the man." It is not the be". It is the reflex of the mature mind, the embodiment of thought, which no onger stumbles, but walks with sure feet, and makes for itself a broad and beautiful path of words. Let those that are wondering why their effusions. do not burst into print at once stop and consider whether they really have anything particular to say, and thea whether they have any particular way of saying it. There are more persons with something to my (perhaps not something immortal, but still worth saying) than there are with a genuine master of literary expression. The latter does not come by nature; nor does it come with experience. comes only by practice, and not an easy practice at that. It was that most literary of all recent writers. Robert Louis Stevenson, who said that the man not willing to spend a whole afternoon in search of the right word

## Ball-Bearing Watch.

One of the most ingenious devices sists of a ball-bearing pocket timepiece. The principle has already been applied to the driving wheel of the clockmaker's throw and also for the winding arbor of clocks. Its application to a watch, however, with satisinctory results requires exceedingly. fine mechanism and minute balls. The the grip of a strong arm around his the dog tore almost loose and began In it the arbors roll on steel balls of foremen of a Parislan watch concern. two sizes. It is spoken of by compatent authorities as one of the most interesting horological axistists.

## Creeds and the Phin.

A London servant girl was sent on the day of Create's surrender to the local fieb monger's for fresh herrings. The town rong with the news, but Mary Jane minded her business, and that only, "They've got Cronje," resped the maiden, and laid her purchase before her mistress. "Here they are, ma'am," she exclaimed; "but I don't Every dog has its day and every know how they'll so. The fish monget a said they'd got crospet"

# FARM AND GARDEN.

MATTERS OF INTEREST TO ACRICULTURISTS.

Some Up-to-Date Hints About Cultivation of the soil and Vields Therent-Berticulture, Videntture and Floricul-

#### Our Whasta.

C. B. Hoffman says: There are four great divisions of wheat in the United States—the spring wheats, the hard winter wheats, the nost winter wheats and the California white wheat. Each of these divides and anodivides into many kinds and varicties. Among the spring wheats is the northern hard, chiefly grown in the Dakotas. The softer varieties grow in Wisconsin, Michigan, Nebranks, and, to a limited extent, in Kansus. The soft or red varieties are numerous and are grown in every winter wheat growing state. Virginia, New York, Pennsylvania, Kentucky and Ohio grow a superior quality. Michigan, Wisconsin and Illinois winter wheats are not as good. The Calfornia white wheat is a spring wheat and is grown almost exclusively in all the mountain states of the west, extending down to the tropics on the cool mountain plateaus of Mexico. It is a white wheat, makes a light flour, deficient in strength, but excellent for Graham:

Kansas grows both hard and soft winter wheat, and a very limited quantity of a few varieties of spring wheat. Kanasa is the only state that grows hard winter wheat in quantities worth mentioning. This is unique and deserves consideration. In fact, upon this I think depends the supremacy which Kanme h ids over all other states, and will continue to hold in the production of wheat, Russian wheat, as it is commonly

called, although it has several other names in different localities, as Turkey, Hard Wheat, Hungarian, etc., was first brought to Kansas by the Russlan Mennonites, who came to the state in large numbers 20 or 25 years ago. For years after its introduction it was disparaged by millers and grain buyers, but its hardiness and almost unfalling yield caused it to be grown in ever-increasing areas in spite of the lower price it commanded. Finally, about 16 years ago, some of the progressive millers discovered the superior qualities of this much-despised wheat, and adapted their machinery, which required a general remodeling of their entire plants, and began the manufacture of Kansas hard-wheat flours, since become famous in the world's markets as superior to any other grade manufactured in the United States, and equal to the world-famous Hungarian flours made from the choicest wheat grown in Hungary and Bohemia. The best variety of hard

winter wheat is the Crimean. "What kind of seed shall I sow?" is a question the importance of which is underrated by many farmers. Seed wheat should be pure-that is, of one variety. It should be well-matured, full-grown, and free from smut or other parasitie or fungoid growths. It is not to grow them. The answer is should also be free from weed seeds, one of those sayings that attempts to especially chess ("chest") which, be- answer a question without answering will take the field if it has half a apples, but we do grow them in spite. chance, and is exceedingly difficult to of curselves, and the problem arises

wheat, if aufficiently matured to gested, as apples have the same feedsurely cause the variety to "run out" of them is the principal object, in a very few years if continued sowing of inferior stuff is indulged in. A farmer should have a seed patch on which he grown wheat for seed. This he should give the best care, should plow deep and early, keep it free from weeds, use the best varieties and the perest seed, and from the products of this sow his larger fields. He might, with much advantage, plant different varieties and sow his general fields only with such as have proven themselves suited to that locality. He could at comparatively small cost, exchange seed with other farmers from time to time, and in that manner grow the very best quality and largest quantity.

Changing seed from one locality to another is desirable; even from one from distant parts; usually from northern localities to southern is better than from southern to more north-

#### Abandoned Farms. Every once in a while we notice re-

ports of what certain men have done on so-called abandoned farms. Often the returns from the land are quite phenomenal. The explanation is that some man with both brains and money has taken hold and put into practice business methods. Had those been put into operation from the first there would have been no abandoned farms. Men that have investigated the conditions in localities where such lands watch was made by Leon Gruet, a have been thrown out of cultivation have found that the lands had become run down through constant cropping without putting back the manure necessiry to keep up the tertility. What is true of the East is equally true of the West, and unless the metheds on some of our farms charge, the time is coming when the farms will unfortunate classes of men that try to run farms; those that have money and and those that have brains and no money. The latter class in however, of the two the most likely to succeed. In those days of agricultural colleges, experiment stations and abundant ophelp make a success of farming.

Equalt Vias Berer

We present two groups of illustrations of the squash-vine herer. The regulates the opinions in which farmfirst shows the larva and eggs. In the era hold swine raising. In some locali-"b" female with wings folded in natural position when at rest; "c" eggs shown on bit of squash stem; "d" full-grown larva, in situ in vine; "e"

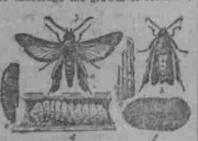
The accompanying illustrations show the great differences between the newly-hatched larva, the half-grown larva, and the mature form.

Ordinarily the larva works in the



both directions and appearing to pre-

fer the portion near the roots, Ordinary insecticides are of no value against this insect. When once it has entered the vines, and repellants are practically useless. The measures that have been found of greatest value are not to plant on infested ground. to plant early varieties for the protection of late squashes; to barrow infested fields late in the fall and plow deeply in spring, or reverse the propess to prevent the moths from lasting; to encourage the growth of secondary



roots by covering the vines at the joints with earth; to destroy dead vines and old plants as soon as the crop is made; to keep the plants in vigurous condition, free from other insects and diseases; to cut out such borers as may succeed in entering the vines; and to capture the moths early in the morning or toward dusk when they are less active than in the heat of the day.

## Hortleultural Observations.

A factory is being constructed in California for the making of what is to be called "concentrated fruit." is said that over-ripe apples and small ripe apples are to be used and made marketable in that way. If it proves a success it will help at least to settle the question of disposal of unmarketable fruit.

. . . An English horticulturist, speaking on what to do with inferior apples and how to dispose of them without injuring the market, mys that the best way Ific. It. We do not letend to grow inferior eradicate when once it has infested of how to dispose of them without a neighborhood. Poor, shriveled loss. Feeding to cattle is one way sugsprout, will, under favorable condi- ing value as turnips. This is a good tions, produce a good crop, but will way to get rid of them if getting rid

. . . A man in South Haven, Michigan, has brought suit for \$200 against auother man for damage done to his peaches by been belonging to the man sued. The first man claims that his neighbor Resps to hives of bees and that they come into his peach orchard

Southern California seems to be 42luying a prosperous year so far as the ter and the like. There is no reason fruit industry is concerned. Three whatever why skimmlik where fed years ago the number of cars of fruit should not be charged up to the hogs neighborhood to another; still better shipped out was 14,176; last year it was 9,469 cars and this year 16,470 cars. The value of the fruits, nutand vegetables shipped out of southern California is put at \$20,000,000.

> It is reported from some localities that apple growers are finding trouble in getting barrely for their fruit, Heretofore it has been possible to purchase second-hand barrels at 15 cents. each, but for some reason that is now impossible. New barrels cost 35 cents each, and this is a factor in the celling of the fruit. What is the trouble, another trust?

The Live Stuck Course.

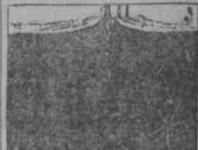
An agent of the census bureau an wering the question what good will the census reports be to the livestock industry? says: "Only this; it forms a basis, every ten yours from which may be deducted certain conclusions. of value to every comman and to every citizen who has an interest in this broad land of liberty and civilization. cease to give a living. There are two which otherwise would be mere conjuncture, such as the increase in blooded stock, the estimated average no brains for agricultural enterprises, cost of production, the availability and resources of the range to supply demands for beaf, stc., which go to make up the sum of human govern- all blank concaves, and running as ment. Takes all over the country, the live stock rensus is a good move and normalities there is no reusen why the its figures cannot be used by option man that has money cannot obtain, dealers for any length of time to harathe necessary brain development to mer prices or influence the markets of in the northwest are reaching thirty amplet and demand."

Cost of Pork The cost of pork per pound largely

buy even their own pork cheaper than they can raise it. Where such onlyions prevail it is evident that the pupa; "I" pupal cell; all about double nate in their experiences in producing really cost them to produce it. At some experiments carried on at the Maryland Experiment Station it will demonstrated that on certain foods pork can be made at a cost of 21% cents per pound. This of course can be done only under favorable circumstances and where the pigs are kept in healthful conditions. If a large per cent of the hard is to be permitted to die of the cholera of course it will not be possible to ruise perk at any such Brure. As to the cost of purk production, everything depends on the circumstances in which the feeder finds himself, for some have access to cheap feeds that are not in the reach of other farmers. Thus some farmers live near creameries where the skimmilk is not valued as it should be and is sold by the creamery manager at one-half cent per gallon to anyone that will take It away. The milk as a producer of pork, combined with other feeds, is worth far more than this, and of course Its use by the pig ruiser will result in greatly reducing the cost of his product. It is also a well-established principle that pork is produced cheapest on young hoga.

#### Cara Bouts

H. R. Hilton, to the fourth blennial report of the Kansas state board of agriculture, says: "Figure No. 1 shows the position and distribution of the corn roots in the soil to a depth of 4% feet, and indicates the office of each class, and their orderly arrangement and development at a certain time for a certain work. The seed roots sustain the bud until the first green leaf appears. The first roots then follow and seek the surface solpwhich first feels the sun's warmth. These are in turn suppleased by the first circle roots that radiate from the butt end of the stalk like the ribs of an umbrella from the shaft, and spread out on a lower level, usually five to ten inches below the surface, and often exceed eight feet in length. These first circle roots are the main food gatherers, and send out numerous



# THE REPORT OF THE PARTY OF THE

fibrous branches in the direction where water and food are most abundant and temperature most favorable. The second and subsequent circle roots developing one after another as the bunt therenses in height and the soil in warmed to greater depth, seek the subsoil and rarely spread out on the surface. Figures 2, 3, 4 and 5 show such roots, which were followed to a depth of 4% feet with no terminal point in sight,

## Chasp Port.

A Canadian breeder claims that he has been making pork at a post not to exceed 316 cents per pound for the last ten years. He says his process is to buy the pigs about May first, when he can get them at a cost of \$1 each. He feeds them on skimmlik, corn and bran with clover, till they weigh about and bite through his peaches, thus \$200 pounds each. Then he cells them rendering them unmarketable. It is at a profit of about \$4 per hog. We the old question of whether or not bees | notice, however, that the man says he can injure penches. The question has takes no account of his skimmilk, generally been answered in the nega- which might have been disposed of in other ways. This is frequently the trouble with reports of great success in the cheap production of purk, butas part of the cost of pork making. Indeed, if the same rule were applied to the other by-products of the farm we could figure out the cost of pork at far less than 2 cents per pound. Not only do the figurers forget to take into account the cost of the milk, but they often forget to take into account the pasture on which the hogs run.

## Revesting Sor Roses.

One of the great objections to say beams has been the lack of an easy means of harvesting. The been pods grow so close to the ground that no sort of grain harvester can be employed in harvesting them without losing some beans. If bogs or sheep can be put on to glean the neld a saif-rake may be used very a tisfactorily, A mower will shatter the beans and crush them into the earth, and does not give entisfaction. The stems being hard, any kulfe cutter should run elightly below the surface of the ground to cut them satisfactority. It proves, from decade to decade, facia are to be handled it will pay to use a When more than ten or Driven acres bean harvester. After the beans are cut they can be raised with a may rake and should be pitt in small shocks until dry, when they can be thrashed or stacked. Thrashing ledone with on ordinary separator, using slowly as the machine will permit and not clog in the shaker.

> The wheat yields in many instance. to forty bushels per sore.